

SETI, the Fermi Paradox, and the Future of our Civilization

Dan Werthimer
Space Sciences Laboratory
University of California
Berkeley, CA 94720-7450
USA
danw@ssl.berkeley.edu

Do Earthlings know how to search for ET? Two centuries ago, Gauss, Von Litttron and Cros suggested we contact ET by building large geometric structures, lighting fires, and reflecting sunlight with large mirrors. One century ago, Marconi and Tesla searched for ETI radio signals at wavelengths that are blocked by Earth's ionosphere. I will review current SETI strategies and potential reasons why SETI researchers haven't found anything.

I will also discuss the future of our civilization and other civilizations: Is there a galactic club? Are advanced civilizations zooming around the galaxy? Will humans merge with silicon and live forever, or will nano-bio-computing technology kill us all?